Georgia Department of Natural Resources
Environmental Protection Division • Coastal District
400 Commerce Center Drive • Brunswick • Georgia 31523-8251
Phone: 912/264-7284
Mark Williams, Commissioner
F. Allen Barnes, Director

September 26, 2011

Mr. Keith Morgan, Executive Director
Brunswick – Glynn County Joint Water & Sewer Commission
700 Gloucester Street
Brunswick, Georgia 31520

RE: Glynn County – Exit 29 Water Pollution Control Plant (WPCP)
Compliance Evaluation Inspection
NPDES Permit No. GA0038938
Glynn County

Dear Mr. Morgan:

On September 19, 2011 the Environmental Protection Division performed a Compliance Evaluation Inspection on the above referenced water pollution control plant. Mr. Mark Ryals, Wastewater Superintendent, Mr. Alvin Lang, Class I Wastewater Operator, Mr. Anthony Crawford, Class I Wastewater Operator at the WPCP, Mr. Glenn Henderson, lift station superintendent with Joint Water & Sewer Commission, accompanied Ms. Kelly Kutrufis and me, representing the Division, during the inspection. A copy of the inspection report is enclosed for your review and files.

As discussed with Mr. Ryals et. al., the following operational issues should be addressed:

1. Physically scrape and remove macro solids escaping the influent bar screen entering the oxidation ditches.

2. Separate trash currently mixed with belt-pressed sludge being disposed at Broadhurst MSWL. An accurate tonnage sludge removed is necessary.

3. Repair a couple of alarm systems at lift stations visited with Mr. Glenn Henderson of Joint Water & Sewer Commission. Specifically, station #3114 (Sommersby) audible alarm, and station #3103 (Royal Oaks #1) visual alarm malfunctioned during demonstrations.

The Division recommends the secondary clarifier presently off-line be repaired and available for service should the need arise.

You are reminded that Consent Order EPD-WQ-5281 remains open. As discussed, a written report indicating measures to obtain compliance for phosphorous will be due no later than December 22, 2011.

Please provide written confirmation that items 1 to 3 have been corrected no later than November 1, 2011.

The Division appreciates the time taken by Joint Water & Sewer Commission representatives to accompany the inspection.

Should you have any questions regarding the enclosed report, please contact me at 912-264-7284.

Sincerely,

Gary Reynolds
Environmental Specialist III
Coastal District Office

\gr

cc: Mark Ryals, Class I WQ Superintendent, JWSC
CDS, WQ Files

INDUSTRIAL			MUNICIPAL	X
NPDES	CEI	X	RECON	
LAS	CEI		RECON	

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DML

Compliance Evaluation Inspection Checklist

Facility Name: Exit 29 WPCP		**County:** Glynn
Permit No. GA0038938	**Permit Effective Date** 7/12/11	**Permit Expiration Date** 2/24/13
Name of On-site Representative Anthony Crawford	**Phone** (912) 318-2126	**Fax** (912) 261-7172
Inspection by Gary Reynolds/ Kelly Kutrufis	**Date of Inspection** September 19, 2011	**Name of Receiving Stream** Little Satilla River

AREA EVALUATED DURING INSPECTION
(S = Satisfactory, M = Marginal, U = Unsatisfactory)

X Permit	X Secondary Clarifier	___ Treatment Pond(s)	X Effluent/Receiving Waters
X Records/Reports	X Disinfection	___ Storage Pond(s)	X Operations & Maintenance
X Facility Site Review	X Aerobic Digester	___ Distribution System	X Sludge Disposal
___ LAS Facility Site Review	___ Anaerobic Digester	X Collection System	X Bio-solid Report
X Preliminary Treatment	___ Filtration	___ Constructed Wetlands	X Safety
___ Trickling Filter	X Chemical Treatment Equip.	X Flow Measurement	X Plant Grounds
X Activated Sludge Tanks	X Sludge Dewatering	X Laboratory	X Notes/Diagrams

SAMPLE DMR RECORD – 12 months
(S = RESULTS ACCEPTABLE, V = RESULTS EXCEED PERMIT LIMITS, X = RESULTS NOT SUBMITTED)

MONTH	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11
RESULTS	V	V	V	V	S	S	S	S	S	S	S	S

Section A - PERMIT	
1. Current copy of facility's permit available on-site.	**Yes** No NA
2. Correct name and mailing address of permittee identified on permit.	**Yes** No NA
3. Facility is as described in permit.	**Yes** No NA
4. Notification given to the Division of expansions, production increases, or process modifications.	Yes No **NA**
5. Recent permit modifications, amendments or compliance orders in facility file.	**Yes** No NA
6. Number of discharge outfalls the same as listed in the permit.	**Yes** No NA
7. Name of receiving waters listed correctly in the permit.	**Yes** No NA
8. Permit status (i.e., current, expired, or extended)	***Current***
9. Permit renewal application submitted to the Division within 180 days of expiration date.	**Yes** No NA
10. Has there been any facility expansions, production increases, or process modifications that have changed the discharge since the issuance of the permit?	Yes **No** NA
11. Has permittee properly notified the Division of modifications of all process discharge changes?	Yes No **NA**
12. If required, is the operator properly certified? Certification number ***Anthony Crawford(WWI-014639)***	**Yes** No NA

(WW1-014639)	
13. Date GPS performed and reported: 9 / 19 / 11 Location of GPS determination: ***Plant entrance outside the office.***	
14. Facility in compliance with Section A above?	**Yes** No

Notes:

The WPCP expanded and obtained approval from the Division from a .300 MGD overmarsh spray to a 1.5 MGD direct discharge Plant. With low volume, the Plant has struggled meeting its phosphorous limits, and a Consent Order, EPD-WQ-3281, was issued to Joint Water & Sewer Commission March 22, 2011. The Consent Order remains open, on-schedule, pending an explanation as to how achievement with phospohorous limits was obtained. The JWSC has until December 2011 to provide the written report. They have obtained phosphorous compliance from January 2011 through August 2011.

Section B - RECORDS/REPORTS

1. Records maintained for time period required (3 years).	**Yes** No NA
2. a. Spills and bypasses reported and documented as required by the permit.	**Yes** No NA
b. Follow-up written documentation given as required by the permit (within 5 days).	**Yes** No NA
3. Discharge Monitoring Report (DMR) evaluation:	
• The responsible person or designee signs and certifies the DMR.	**Yes** No NA
• The facility not monitoring at frequency by permit.	Yes **No** NA
• The facility monitors more frequently than required by the permit. Is the data included?	Yes No **NA**
• The facility not sampling the parameters required by the permit.	Yes **No** NA
• All data collected are summarized on the DMR.	**Yes** No NA
• The facility is reporting in the units required by the permit (lbs/day or kg/day).	**Yes** No NA
• Data reported on DMR consistent with analytical results.	**Yes** No NA
• Coliform concentration calculated as required by the permit (e.g., median, geometric mean)	**Yes** No NA
• Check flow and sample data to be the same.	**Yes** No NA
• Numerical values for minimum detection limits are reported on DMR when laboratory reports "Not Detected".	**Yes** No NA
• Is the facility composite/grab sampling where required by permit?	**Yes** No NA
• Number Exceeding (N.E.) properly reported on all DMR's and annual reports.	**Yes** No NA
• Reports completed in time frame and frequency as required by the permit.	**Yes** No NA
4. Sampling and analytical records include:	
• Dates, times, and location of sampling	**Yes** No NA
• Names of individuals performing sampling	**Yes** No NA
• Analytical methods (40 CFR Part 136)	**Yes** No NA
• Results of analyses	**Yes** No NA
• Dates of analyses	**Yes** No NA
• Analysts' names or initials	**Yes** No NA
5. Plant records include:	
• Daily plant operational records or log book	**Yes** No NA
• Equipment maintenance records and schedules	**Yes** No NA
• Records of auxiliary power checks	**Yes** No NA
• Other	Yes No NA
6. All records and reports required by the permit appear to be organized and available for inspection.	**Yes** No NA
7. Compliance Schedules/Orders	
• Facility is subject to a compliance schedule in either its permit or in an order.	**Yes** No NA
• Items in the compliance schedule, which are currently due, have been completed (includes both the permit and orders.	**Yes** No NA
• The permittee has a plan to comply with items in the compliance schedule coming due in the future (includes both the permit and orders).	**Yes** No NA
8. If required, is the facility within a permit schedules?	**Yes** No NA
• WET test	**Yes** No NA

• Priority pollutants	**Yes** No NA
• Long time BOD testing	Yes No **NA**
• Increased monitoring	Yes No **NA**
• TRC	Yes No **NA**
• Fecal	Yes No **NA**
• Watershed Protection Plan	**Yes** No NA
• Annual reporting	**Yes** No NA
9. Facility in compliance with Section B above?	**Yes** No

Notes: ***As this is an expanded facility, four priority pollutant scans, and four WET analyses were required. Thus far, two of three WET quarters have failed. The NPDES Permit was reopened, and a WET limit has been established. The facility must Demonstrate three (3) consecutive "pass" WET results, then they may request from the Division annual WET monitoring.***

Section C - FACILITY SITE REVIEW

1. All treatment units and supporting equipment are in service and mechanically functioning properly. ***One of two clarifiers is down, due to a leaking seal; however, due to low flow, not critical.***	Yes **No** NA
2. Hydraulic and organic loadings are consistent with plant design criteria. a. Are there signs of overloading to the facility and collection system, including I&I and septage loading?	Yes **No** NA
3. Peak flows remain within the established plant capacity.	**Yes** No NA
4. Lift stations are properly monitored, maintained, have a back-up power source and are not subject to chronic spills and/or overflows.	**Yes** No NA
5. Odors are adequately controlled, resulting in limited complaints.	**Yes** No NA
6. Housekeeping procedures are adequate to prevent release of pollutants to environment:	
• Adequate dikes and secondary containment	Yes No **NA**
• Spill containment and clean-up	**Yes** No NA
• Signs of spillage to soil, groundwater, or surface water	Yes **No** NA
• Storm water and leachate management from storage piles	Yes No **NA**
• Leaking pipes, pumps, etc.	Yes No **NA**
• Drum and chemical storage areas	Yes No **NA**
• Minimization of pollutants entering storm water outfalls	**Yes** No NA
• Other open dumps or debris piles	Yes No **NA**
• Other	
7. Signs of tank deterioration and/or settlement.	Yes **No** NA
8. Safety concerns may interfere with proper operation, maintenance, and/or monitoring.	Yes No **NA**
9. Material Safety Data Sheets (MSDS) are available for stored chemicals.	**Yes** No NA
10. Is toxicity suspected in the effluent?	Yes **No** NA
11. Equipment available for spill cleanup and containment.	**Yes** No NA
12. Facility is in compliance with Section C above?	**Yes** No NA

Notes: ***A lift station near the Plant had a minor spill from Lift Station 101 due to a breaker tripping. While the station had SDADA, the back-up battery was dead. They implemented procedures for checking batteries at the stations routinely.***

Section C – 1 LAS FACILITY SITE REVIEW **NA**

1. Excessive scum, grease, foam or floating sludge in clarifiers.	Yes No NA
2. Severe corrosion of structures.	Yes No NA
3. Vital equipment out of service.	Yes No NA
4. Unusual or improvised equipment.	Yes No NA
5. Overflowing of influent lines, overflow weirs or other structures.	Yes No NA
6. Overflows at alternate discharge points, bypass, or any unpermitted discharges (give location):	Yes No NA
7. Pipes from process/storage areas that exhibit evidence of discharge to the ground or to surface water.	Yes No NA
8. Spraying into buffer zone or adjacent surface water.	Yes No NA
9. Spraying into on-site drainage or on-site surface water.	Yes No NA
10. Surface runoff.	Yes No NA

11. Erosion or Gullies.	Yes No NA
12. Sparse Vegetation.	Yes No NA
13. Pooling of Water.	Yes No NA
14. Leaf Defoliation or Discoloration.	Yes No NA
15. Presence of ground water.	Yes No NA
16. Unapproved vegetation in use.	Yes No NA
17. Are meters calibrated as required in the LAS permit?	Yes No NA
18. Are applications rates in compliance with the LAS permit?	Yes No NA
19. Are groundwater wells properly labeled and maintained?	Yes No NA
20. Is sampling being conducted at the proper locations in accordance with the LAS permit?	Yes No
21. Facility is in compliance with this Section.	
Notes:	

Section D PRELIMINARY TREATMENT NA

1. Excessive debris on bar screen.	Yes **No** NA
2. Grit chamber clogged.	Yes **No** NA
3. Grit and screenings improperly contained.	Yes **No** NA
4. Any preliminary treatment equipment out of service.	Yes **No** NA
5. Facility is in compliance with this Section D above.	**Yes** No NA
Notes:	

Section E TRICKLING FILTER NA

1. Trickling filter ponding.	Yes No NA
2. Distribution arm center column leaking.	Yes No NA
3. Uneven distribution of flow on surface.	Yes No NA
4. Sparse, uneven or thin growth on surface.	
5. Color of growth _____.	Yes No NA
6. Distribution arm orifices clogged.	Yes No NA
7. Restricted rotation of distribution arms.	Yes No NA
8. Filter flies.	Yes No NA
9. Trash on media surface.	Yes No
10. Facility is in compliance with this Section E above.	
Notes:	

Section F ACTIVATED SLUDGE TANKS NA

1. Dead spots, dark foam or bad order.	Yes **No** NA
2. Surface aerator or compressor failure.	Yes **No** NA
3. Blower/aerator on timer Interval ***continuous***	Yes **No** NA
4. Air rising in clumps (boiling).	Yes No **NA**
5. Leaks in compressed air piping. ***oxidation ditch***	Yes **No** NA
6. Dark mixed liquor or dark tan foam.	Yes **No** NA
7. Thick billows of shite, sudsy form.	Yes **No** NA
8. Low dissolved Oxygen (<1 mg/L) Actual D.O. ***2.0 mg/l***	Yes **No** NA
9. MLSS concentration ***2,000***. Excessive or low	**Yes** NoNA
10. Facility is in compliance with this Section F above.	
Notes:	

Section G SECONDARY CLARIFIER NA			
1. Excessive gas bubbles on surface.	Yes	**No**	NA
2. Overflow weirs fouled or not level.	Yes	**No**	NA
3. Short-circuiting overflow.	Yes	**No**	NA
4. Buildup of solids in center well of circular clarifier.	Yes	**No**	NA
5. Pin floc in overflow .	Yes	**No**	NA
6. Scum rake ineffective or overloaded.	Yes	**No**	NA
7. Sludge floating on surface, clumping.	Yes	**No**	NA
8. Billowing sludge or sludge blanket too high. Depth ***1" thickness***	Yes	**No**	NA
9. Sludge withdrawal ports clogged.	Yes	**No**	NA
10. Evidence of a solids washout.	Yes	**No**	NA
11. Sludge judge not available.	Yes	**No**	NA
12. Facility is in compliance with this Section G above.	**Yes**	No	
Notes: ***The one functioning clarifier was well-maintained, functioning properly. One clarifier has been out of service for a couple of months, and although low flow presently, the leaking seal should be repaired and the unit operational in case of increased flow or need.***			

Section H DISINFECTION NA			
1. Excessive gas bubbles on surface.	Yes	No	**NA**
2. Sludge buildup in contact chamber.	Yes	No	**NA**
3. Short-circuiting of flow.	Yes	No	**NA**
4. Inadequate detention time.	Yes	No	**NA**
5. Foaming at outfall or downstream. ***Outfall to Little Satilla River not observed.***	Yes	No	NA
6. Floating scum and/or solids in chamber.	Yes	No	**NA**
7. Chlorine feed rate ***N/A (U/V only)***. Flow proportioned? ***N/A***	Yes	No	**NA**
8. Chlorine tank empty or nearly so.	Yes	No	**NA**
9. Feed equipment non-operational.	Yes	No	**NA**
10. In UV systems, are bulbs cleaned regularly?	**Yes**	No	NA
11. In UV systems, are replacement bulbs available?	**Yes**	No	NA
12. Facility is in compliance with this Section H above.	**Yes**	No	
Notes: ***The operator logs weekly cleaning of the U/V bulbs, and has adequate replacement bulbs at the facility.***			

Section I AEROBIC DIGESTER NA			
1. Excessive foaming or bad odor.	Yes	**No**	NA
2. Clogging of diffusers. ***Oxidation ditch – paddle mechanism.***	Yes	No	**NA**
3. Mechanical aerator failure.	Yes	**No**	NA
4. Insufficient D.O. in digester. Actual D.O. **2.0 mg/l**	Yes	**No**	NA
5. Facility is in compliance with this Section I above.	**Yes**	No	NA
Notes:			

Section J ANEROBIC DIGESTER NA			
1. Mixers or heater not operating.	Yes	No	NA
2. Floating cover tilting.	Yes	No	NA
3. Gas burner not burning or inoperative.	Yes	No	NA
4. Supernatant exuding sour odor	Yes	No	NA
5. Facility is in compliance with this Section J above.	Yes	No	NA
Notes:			

Section K FILTRATION (Sand filters, etc.)	NA	
1. Filter surface clogged; ponding		Yes No NA
2. Gravel displacement of filter media.		Yes No NA
3. Formation of mud balls in filter media.		Yes No NA
4. Loss of filter media during backwashing.		Yes No NA
5. Trash or vegetation on media surface		Yes No NA
6. Facility is in compliance with this Section K above.		Yes No
Notes:		

Section L CHEMICAL TREATMENT EQUIPMENT	NA	
1. Heavy corrosion evident.		Yes **No** NA
2. Chemicals left in open atmosphere.		Yes **No** NA
3. Chemical containers stored improperly or in a hazardous manner.		Yes **No** NA
4. Dry chemical spilled between storage area and feed units.		Yes No **NA**
5. Empty chemical containers improperly disposed of.		Yes **No** NA
6. Liquid chemical feed units not appropriately contained (berm/dikes).		Yes **No** NA
7. Chemical dust covering feed unit area, storage or transfer areas.		Yes No **NA**
8. Ruptures in chemical feed line.		Yes **No** NA
9. Facility is in compliance with this Section L above.		**Yes** No
Notes: ***Bulk alum dosing, to control phosphate, with adequate protective dikes.***		

Section M SLUDGE DEWATERING	NA	
1. How many drying beds? ***None – belt pressed sludge directly to containers, hauled to Broadhurst MSWL.***		
2. Poor sludge distribution on drying beds.		Yes No **NA**
3. Sludge applied to already full bed.		Yes No **NA**
4. Vegetation in drying beds.		Yes No **NA**
5. Dry sludge remaining in drying beds.		Yes No **NA**
6. Sludge runoff from plant site.		Yes **No** NA
7. Mechanical dewatering system failure.		Yes **No** NA
8. Spilled sludge around dewatering units.		Yes **No** NA
9. Sludge stockpiled on plant grounds.		Yes **No** NA
10. Facility is in compliance with this Section M above.		**Yes** No NA
Notes: ***The only sludge operational deficiency observed, as pointed out to the operator, was allowing construction and demolition wastes mixed with the pressed sludge. Although both transported to Broadhurst MSWL, a skewered tonnage results. The operator agreed separate from sludge loads.***		

Section N TREATMENT POND(S)	NA	
1. Erosion of bank or dike; animal burrows.		Yes No NA
2. Weeds in pond or along dike at water line.		Yes No NA
3. Foaming and/or spray in aerated lagoon.		Yes No NA
4. Scum or debris accumulation along dike.		Yes No NA
5. Odor, foam, floating solids or oil sheen.		Yes No NA
6. Bypass of one or more pond cells.		Yes No NA
7. Effluent structure improperly maintained.		Yes No NA
8. Excessive sludge buildup.		Yes No NA
9. Excessive algae or duckweed		Yes No NA
10. Facility is in compliance with this Section N above.		Yes No
Notes:		

Section O STORAGE POND(S)	NA		
1. Erosion of bank or dike; animal burrows.			Yes No NA
2. Weeds in pond or along dike at water line.			Yes No NA
3. Dead fish or other organisms.			Yes No NA
4. Scum or debris accumulation along dike.			Yes No NA
5. Odor, foam, floating solids or oil sheen.			Yes No NA
6. Effluent structure improperly maintained.			Yes No NA
7. Excessive algae or duckweed.			Yes No NA
8. Facility is in compliance with this Section O above.			Yes No
Notes:			

Section P DISTRIBUTION SYSTEM	NA		
1. Line breaks (big lines).			Yes No NA
2. Saddle breaks (big pipes to feeder lines).			Yes No NA
3. Tee breaks (underground piping).			Yes No NA
4. Joint leaks.			Yes No NA
5. Long or short risers broken (above ground piping) .			Yes No NA
6. Sprinkler head blowouts.			Yes No NA
7. Sprinklers damaged or missing.			Yes No NA
8. Sprinklers clogged.			Yes No NA
9. Sprinkler arms malfunctioning (due to vegetation interference).			Yes No NA
10. Facility is in compliance with this Section P above.			Yes No
Notes:			

Section Q COLLECTION SYSTEM	NA		
1. Has a sewer use ordinance been enacted? Who enforces the ordinance ***Debbie Pace, pretreatment coordianator; Ray Tarker, Collections - JWSC***			**Yes** No NA
2. Are accurate updated maps of the collection system and lift stations available?			**Yes** No NA
3. Are right-of-ways for major interceptor sewer lines maintained and inspected annually? Frequency _____			**Yes** No NA
4. Are inspection and maintenance records for lift stations available and up to date?			**Yes** No NA
5. Has a written inspection and maintenance program for the collection system been authored?			**Yes** No NA
6. Has a spare parts inventory been established for the lift stations to ensure continuous operation?			**Yes** No NA
7. Are all lift stations in service and properly maintained?			**Yes** No NA
8. Is Mfg. literature available to personnel on all lift station equipment?			**Yes** No NA
9. Is there an adequate alarm system and written emergency procedure in place for each lift station?			**Yes** No NA
10. Are P&S plans summited to GA EPD for approval prior to construction or installation?			**Yes** No NA

11. Lift Station Inventory ***(*Nine lift stations – list attached); Stations site-visited as indicated below:***

Station Name or Location	Comments
#3101 (Southport Parkway)	**Dual *Flyght* (20 hp each) submersible pumps; fenced; emergency connect piping; SCADA, visual/audible alarms.**
#3114 (Somersby)	**Dual *Flyght* (10 hp each) submersible pumps; fenced; emergency connect piping; SCADA, demonstrated: visual functioned, audible – repair needed.**
#3123 (Clearwater)	**Dual *Flyght* (20 hp each) submersible pumps; fenced; emergency connect piping; SCADA, visual/audible alarms.**
#3103 (Royal Oaks #1)	**Dual *Flyght* (20 hp each) submersible pumps; fenced; emergency connect piping; SCADA, Demonstrated: visual – repair needed, audible functioned.**

12. Facility is in compliance with this Section Q above.			**Yes** No

Section R CONSTRUCTED WETLANDS	NA		
1. Is the wetland flow pattern in a series _____ or in parallel _____?			
2. Is the wetland's vegetation vigorous and healthy?	Yes	No	NA
3. Is plant coverage at least 90% of each cell, except deep water zones or sediment traps?	Yes	No	NA
4. Has exotic vegetation taken over cells? (Exotic plants should be removed)	Yes	No	NA
5. Are the interior and exterior earthen dikes eroded or leaking?	Yes	No	NA
6. Has the water depth been exceeded in any cell?	Yes	No	NA
7. Is there standing water present at the toe of the earthen dikes?	Yes	No	NA
8. Are the dikes stabilized with grass and being regularly cut?	Yes	No	NA
9. Are there trees, bushes, or weeds present on the interior or exterior dikes?	Yes	No	NA
10. Has sediment formed in the cells?	Yes	No	NA
11. Is sediment being removed from the deep water zones periodically?	Yes	No	NA
12. Have burrowing animals caused damage to the earthen dikes?	Yes	No	NA
13. Is each cell identified by a sign?	Yes	No	NA
14. Does the perimeter fence have no trespassing signs around the entire site?	Yes	No	NA
15. Is the perimeter fence gate locked?	Yes	No	NA
16. Does the entrance have signage identifying the facility as wastewater treatment plant?	Yes	No	NA
17. Are access roads well maintained? (no ruts, pot holes, etc.)	Yes	No	NA
18. Are all drain pipes connecting each cell free from obstruction?	Yes	No	NA
19. Has a mosquito control plan been implemented as necessary?	Yes	No	NA
20. Facility is in compliance with this Section R above.	Yes	No	NA
Notes:			

Section S - FLOW MEASUREMENT	NA		
1. Flow Measurement devices and methods: **Influent Measurement** Primary Device (e.g. Parshall flume, weir, etc.): ***Montana (parshall) flume - ? 18".*** Secondary Device (e.g. transducer, float, strip gauge, etc.): **totalizer.** **Effluent Measurement** Primary Device: **18" parshall flume (0.13"=0,19 MGD)** Secondary Device: **totalizer (0.18 MGD).** ***Accuracy 94.7%*** Other method of estimating flow: **N/A**	Yes	No	NA Yes	No	Na
2. Flow measurement devices designed to meet permit requirements ("continuously measure", "continuously record", etc.)	Yes	No	NA
3. Flow measurement location is representative of the actual discharge (considering return and bypass lines, etc.)	Yes	No	NA
4. Flumes: • Approach channel straight for at least 10 times the maximum head height in flume. • Flow enters flume evenly distributed across the channel and free of turbulence, boils, or other disturbances. • The flume is clean and free of debris or deposits. • All flume dimensions appear accurate, level, and plumb. • Flume head being measured properly • Flume is appropriately sized to measure the existing range of flows. • No obstructions downstream causing inaccurate flow measurement due to excessive "submergence" in flume. • Proper flow tables being used.	Yes	No	NA Yes	No	NA Yes	No	NA Yes	No	NA Yes	No	NA Yes	No	NA Yes	No	NA Yes	No	NA
5. Weirs: • Approach channel straight for at least 10 times the maximum head height. • Flow in the approach channel is evenly distributed and free of turbulence, boils, or other disturbances. • No solids accumulation in the bottom of the approach channel.	Yes	No	NA Yes	No	NA Yes	No	NA

• Weir crest is located at least two times the maximum head height off the floor of the flow channel. • The weir plate is level, plumb and without distortions. • Weir is beveled on downstream side if plate is >1/8 inch thick. • No leakage around weir plate. • Measuring point located at least 3 times the maximum head height behind (upstream of) the weir. • There is free-fall and access for air below the nappe of the weir (i.e. water doesn't cling to the weir plate). • Weir sized properly to measure the existing range of flows. • Proper flow tables being used for weir type and size.	Yes No NA Yes No NA Yes No NA Yes No NA Yes No NA Yes No NA Yes No NA Yes No NA
6. Secondary device properly installed and maintained, and operating without interference from foam, turbulence, webs, etc.	Yes No NA
7. Date of last flow meter calibration: **calibrates 3/week** Performed by: **Anthony Crawford, Class I WQ operator.**	
8. Calibration checks by plant personnel routinely performed.	Yes No NA
9. Calibration records (external and internal checks) maintained.	Yes No NA
10. Facility is in compliance with Section S above?	Yes No NA
Notes:	

Section T - LABORATORY

NA

1. On-site lab is certified? ***All laboratory analyses are done at the certified Brunswick lab, which has certified Laboratory Analysts.*** a. List parameters analyzed on-site that are used for DMR reporting: **N/A** b. List additional parameters analyzed for internal monitoring and process control: _____.	Yes No NA
2. EPA-approved analytical procedures are used on the on-site laboratory (40 CFR 136.3)	Yes No NA
3. Adequate equipment and procedures used for on-site analyses: • BOD, TSS, pH, DO, residual chlorine, Temperature, Other	Yes No NA
4. On-site laboratory records include: • Calibration and maintenance equipment • Equipment operating instructions and manuals	Yes No NA Yes No NA
5. Satisfactory calibration and maintenance of instruments.	Yes No NA
6. Satisfactory refrigeration in use (< 4°C).	Yes No NA
7. Duplicate samples are analyzed **Brunswick Lab triplicate analyses** % of time.	Yes No NA
8. Spiked samples are used _____% of time.	Yes No NA
9. Certified contract laboratory being used: Laboratory name: **Brunswick WPCP** Address: **Hwy 341, Brunswick GA** . Phone: **(912) 261-7146.** Parameters: **BOD, fecal coliform, suspended solids, ammonia, phosphorous**	Yes No NA
10. EPA-approved analytical procedures identified on contract lab report. (40 CFR 136.3)	Yes No NA
11. Holding times being met by on-site and/or contract laboratory. ***A couple of out-of-hold times now correct***	Yes No NA
12. SAMPLING (SELF-MONITORING PROGRAM) • Sampling locations, type, methods, and frequencies conform to the NPDES permit for all required samples. • Sampling locations and methods provide representative samples. a. Grab samples are collected during peak flow conditions rather than low-stress conditions.	Yes No NA Yes No NA Yes No NA Yes No NA

b. Composite sampling procedures comply with the permit (time vs. flow weighted). • Automatic samplers and other sampling equipment are properly cleaned. • Samples are preserved using methods listed in 40 CFR, Part 136 (e.g. chilled, acidified, etc.) • Sample containers are as listed in 40 CFR, Part 136. • Chain-of-custody is maintained and documented. • Samples are collected using approved protocols: a. Coliform sample taken directly into sterilized container. b. BOD samples are taken prior to disinfection or reseeded. c. Oil and grease collected directly into a glass container. d. Other:	**Yes** No NA **Yes** No NA **Yes** No NA **Yes** No NA **Yes** No NA **Yes** No NA **Yes** No NA Yes No **NA**
13. The facility is in compliance with Section T above?	**Yes** No
Notes:	

Section U - EFFLUENT/RECEIVING WATERS NA

1. Violations of discharge limits	Yes **No** NA
2. Spills/bypasses ***A minor spill occurred April 4, 2011 but did not enter Little Satilla River.***	**Yes** No NA
3. Fish kills or other receiving water impacts	Yes **No** NA

EFFLUEUNT/RECEIVING WATERS OBSERVATIONS (Further explanation attached) ☐ N/E

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOLIDS	COLOR	OTHER

4. Has reclaimed wastewater for non-restricted access areas met urban water reuse standards?	Yes No **NA**
5. Has reclaimed wastewater for restricted access areas been pretreated to secondary levels and received disinfection? ***The facility only reuses parital wastewater on clarifier and bar screen rinsing.***	Yes No **NA**
6. The facility is in compliance with Section U above?	**Yes** No NA
Notes:	

Section V - OPERATIONS AND MAINTENANCE

1. Preliminary treatment units (bar screens, comminuters, grit channels, etc.) properly maintained with wastes properly disposed.	**Yes** No NA
2. Adequate oxygen maintained in aerated treatment systems.	**Yes** No NA
3. No operational problems caused by hydraulic "short-circuiting" in treatment units.	**Yes** No NA
4. Bio-solids wasting/return rates adequate to maintain system equilibrium.	**Yes** No NA
5. O&M Manuals and supporting information organized and maintained for use: • Plant O&M Manual • Equipment manuals • Plant engineering drawings • Collection system drawings available or in development • Maintenance records/costs	**Yes** No NA **Yes** No NA **Yes** No NA **Yes** No NA **Yes** No NA
6. Has there been a by-pass at the facility since the last inspection?	Yes **No** NA

7. If required, has the facility followed proper spill notification procedures?	**Yes** No NA
8. Routine and preventive maintenance items are scheduled and performed on time.	**Yes** No NA
9. The amount of maintenance activities and parts in back-log is acceptable.	**Yes** No NA
10. Operational problems contributing to plant upset, excessive odors, effluent violations, etc.	Yes **No** NA
11. Level of operator certification as required by the permit and staffing level as specified in O&M Manual.	**Yes** No NA
12. Auxiliary power available as required by the permit and operates the necessary treatment units.	**Yes** No NA
13. Alarm systems for power and equipment failure.	**Yes** No NA
14. Treatment control procedures are established for emergencies.	**Yes** No NA
15. Hydraulic surges are handled without excessive solids wash-out or bypasses.	**Yes** No NA
16. Spare pumps and parts readily available.	**Yes** No NA
17. Facility appears to be well operated and maintained.	**Yes** No NA
18. The facility is in compliance with Section V above?	**Yes** No NA
Notes:	

Section W - SLUDGE DISPOSAL NA

1. Has permittee developed and implemented procedures to insure adequate year-round sludge disposal.	**Yes** No NA
2. Records maintained to document the quantity of solids removed from the plant.	**Yes** No NA
3. Method of sludge disposal: • Land application • Permitted landfill • Other	 Yes No **NA** **Yes** No NA Yes No **NA**
4. Total amount of sludge disposed previous 12 months: **19.38 *(based on 4 months)*** tons	
5. The facility is in compliance with Section W above?	**Yes** No
Notes:	

Section X - BIO-SOLIDS REPORT NA

1. Bio-solids annual report • Year of coverage _____ • Date submitted to EPD District Office _____ (submit no later than 31 January) • Date submitted to EPA _____ (submit no later than 19 Feb)	Yes No **NA**
2. Adequate sampling based on tonnage.	Yes No NA
3. Facility is in compliance with this Section X above.	Yes No
Notes:	

Section Y - SAFETY NA

1. Are fire extinguishers present?	**Yes** No NA
2. Are First-aid kits available?	**Yes** No NA
3. Is there self-contained breathing apparatus or canister masks?	Yes No **NA**
4. Is there a chlorine repair kit?	Yes No **NA**
5. Is there a chlorine gas detector (alarm)?	Yes No **NA**
6. Are there safety signs, painted highlights and other warnings?	**Yes** No NA
7. The facility is in compliance with Section Y above?	**Yes** No

Notes:

Section Z - PLANT GROUNDS	NA		
1. The grounds are poorly kept, i.e. grass needs cutting?			Yes **No** NA
2. Buildings, equipment, etc. need painting?			Yes **No** NA
3. The all-weather roads are potholed or otherwise in disrepair?			Yes **No** NA
4. The facility is in compliance with Section Z above?			**Yes** No
Notes:			

ADDITIONAL NOTES/DIAGRAMS:

The 1.5 MGD facility, upgraded from a .3 MGD overspray marsh Plant to a constructed direct discharge Plant within the last year, has such a low flow, only partial oxidation ditches and clarifiers are in use. With start-up issues failing to meet phosphorous, the facility has complied with phosphorous and other limits for six to seven months, but are under an open Consent Order (EPD-WQ-5281), executed March 22, 2011. It is anticipated a final report as to how phosphorous was achieved by December 2011, and so long as phosphorous continues to be met, the Order may be closed out.

Overall operations were satisfactory. A few operational issues were discussed above, and JWSC will be apprised of those issues.

EPA

United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Major/Minor: ____

Section A: National Data System Coding (i.e., PCS) NPDES/LAS: ____

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5	3 GA0038938 11	12 11/09/19 17	18 C	19 S	20 ✓

Remarks

21 COMPLIANCE EVALUATION CONDUCTED 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
67 05 69	70 4	71 N	72 N	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*
EXIT 29 WPCP, SOUTH NEW PORT, GLYNN

Entry Time/Date: 10:00 am / 9/19/11
Permit Effective Date: 7/12/11
Exit Time/Date: 4:00 pm / 9/19/11
Permit Expiration Date: 2/24/13

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)
ANTHONY CRAWFORD, CLASSIFIED OPERATOR
912-717-0279(C)
912-261-7178(F)

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*
River Basin: SATILLA
County: GLYNN
Sensitive Area (Y)N: ____

Name, Address of Responsible Official/Title/Phone and Fax Number
KEITH P. MORGAN, EXECUTIVE DIRECTOR, JWSC
912-261-7110
912-261-7178(F)

Contacted ☑ Yes ☐ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

✓ Permit	✓ Self-Monitoring Program	✓ Pretreatment	☐ MS4
✓ Records/Reports	✓ Compliance Schedules	✓ Pollution Prevention	
✓ Facility Site Review	✓ Laboratory	✓ Storm Water	
☐ Effluent/Receiving Waters	✓ Operations & Maintenance	☐ Combined Sewer Overflow	
✓ Flow Measurement	✓ Sludge Handling/Disposal	✓ Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments
(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
03520	AUDIBLE ALARM/VISUAL ALARM MALFUNCTIONS AT 2 LIFT STATIONS

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
GARY REYNOLDS	EPD, CWS / 912-264-7284 912-262-3160(F)	9/26/11

Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date

CD SOUTH FILES

From: Ray Tarker <RTarker@bgjwsc.org>
To: Gary Reynolds <Gary.Reynolds@dnr.state.ga.us>
Date: 9/19/2011 1:05 PM
Subject: RE: Exit 29 WWTP Lift Stations

Gary;

The complete system is in GIS (manholes, lines, Lift Stations, WWTP)and accurately portrayed; (we did this ourselves so I trust what we are showing).

We are in the midst of inspecting these facilities and it will be a while before gravity lines and manholes can be completely assessed; however, the lift stations are in process with most already inspected.

With the exception of some manholes that I believe will need rehabilitation work due to corrosion damage and several gravity lines in Somersby Point with issues that will require repair; the area system is in generally good shape.

If you need a GIS map showing this system just let me know.

Ray Tarker

-----Original Message-----
From: Gary Reynolds [mailto:Gary.Reynolds@dnr.state.ga.us]
Sent: Monday, September 19, 2011 11:53 AM
To: Ray Tarker
Subject: Re: Exit 29 WWTP Lift Stations

Thanks Ray...are you mapping the location of manholes, interceptors as with Brunswick? These are type of questions we'll ask Glenn this afternoon. Along that lines...any idea as to: number of manholes, and of those, which have been "tagged" for refurbishment, or have already been refurbished?

>>> Ray Tarker <RTarker@bgjwsc.org> 9/19/2011 10:26 AM >>>
JWSC Wastewater Lift Stations discharging to Exit 29 WWTP (as of September 19, 2011)

Pump

Pump Discharge

Pump

Pump

Motor

Number

SID

Location

System

Size (inches)

Discharge Gpm

Manuf.

H.P.

Pumps

Model

Imp

LS # 3101

SOUTHPORT PARKWAY

Submersible

6

780 @ 60'

FLYGT

20

2

CP3152

434

LS # 3102

FLYING J

Submersible

4

140 @ 30'

FLYGT

3

2

780 @ 60'

FLYGT

20

2

CP3152

434

LS # 3102

FLYING J

Submersible

4

140 @ 30'

FLYGT

3

2

CP3085

434

LS # 3103

ROYAL OAKS #1

Submersible

6

FLYGT

20

2

CP3153

436

LS # 3104

ROYAL OAKS #2

Submersible

4

FLYGT

3

2

LS # 3114

SOMERSBY

Submersible

6

350 @ 45'

FLYGT

10

2

CP3127

483

LS # 3121

MAJESTIC OAKS

Submersible

4

350 @ 57.92'

FLYGT

10

2

CP3127

483

LS # 3123

CLEARWATER

Submersible

4

230 @ 103'

FLYGT

20

2

CP3152

454

LS # 3129

SATILLA SANDS

Submersible

4

317 @ 65'

FLYGT

10

2

CP3127

483

LS # 3130

IAP

Submersible

225 @ 70'

FLYGT

12

2

NP3153

466

REPUBLIC SERVICES, INC.

Special Waste Management Decision

I. Decision Request: ☐ Initial ☒ Renewal ☐ Amendment ____

Management Facility: Broadhurst Environmental Landfill
Intermediate Transfer Facility: NA

Generator Name: United Water Services
Address: US Hwy 17 & I-95 Southport Pkway
Brunswick, GA 31520
Contact: Ronnie McKinnon
Phone: 912-217-1374
Site Location: Same

Billing Name: SWS-Brunswick
Address: 126 Perry Land Rd, Brunswick, GA 31522
Consultant Name: NA
Consultant Phone: NA
Transporter Name: RWS-Brunswick
Transporter Phone: 912-267-6400

Waste Name: Domestic WWTP Sludge-analytical attached

Estimated Quantity: 100 tons/year

II. Special Waste Manager Decision: ☒ Approved ☐ Disapproved
If disapproved, Explain:

Precautions, Conditions or Limitations on approval
*Manifest each load
*No free liquids

Problematic Special Waste according to Republic? ☐ Yes ☒ No
If yes, which one?
Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Management Method(s): ☒ Landfill ☐ Solidification ☐ Bioremediation ☐ Other:

Approval Number: 60326 **Decision Expiration Date:** 4/15/2012

Attached Document(s): ☐ None ☐ MSDS ☐ Memo/Letter ☐ Process Knowledge
☒ Certified Analytical Report ☒ If certified analytical attached, all units have been properly converted (e.g. ppb to ppm)

Special Waste Mgr. Signature: Joyce Dishmon Name (print): Joyce Dishmon

Date: 4/15/2009

III. Facility Operations Acknowledge: ☒ Approved ☐ Disapproved

State any additional Precautions, Conditions or Limitations on Approval: By signing below, the GM agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

Facility Manager Signature: Jeff McLellan for Name (print): John Simmons

Date: 4/15/09

Form SW03 Revised 9/2008

Table 13-6 (Continued)

Head (feet)	CFS	GPM	MGD
2.26	13.84	6209	8.942
2.27	13.93	6251	9.002
2.28	14.02	6293	9.062
2.29	14.12	6335	9.123
2.30	14.21	6377	9.184
2.31	14.30	6419	9.244
2.32	14.40	6462	9.305
2.33	14.49	6504	9.366
2.34	14.59	6547	9.428
2.35	14.68	6589	9.489
2.36	14.78	6632	9.551
2.37	14.87	6675	9.612
2.38	14.97	6718	9.674
2.39	15.07	6761	9.736
2.40	15.16	6804	9.798
2.41	15.26	6847	9.860
2.42	15.35	6890	9.923
2.43	15.45	6934	9.985
2.44	15.55	6977	10.05
2.45	15.64	7021	10.11
2.46	15.74	7064	10.17
2.47	15.84	7108	10.24
2.48	15.94	7152	10.30
2.49	16.04	7196	10.36
2.50	16.13	7240	10.43

Table 13-7:
1 1/2 ft. Parshall Flume Discharge Table with Head in Feet

Formula: CFS = 6.000 $H^{1.538}$
GPM = 2693 $H^{1.538}$
MGD = 3.878 $H^{1.538}$
Where: H = head in feet

Values in italics indicate flow below the recommended range of this particular primary device.

Table 13-7

Head (feet)	CFS	GPM	MGD
0.01	*0.0050*	*2.26*	*0.0033*
0.02	*0.0146*	*6.57*	*0.0095*
0.03	*0.0273*	*12.25*	*0.0176*
0.04	*0.0425*	*19.06*	*0.0275*
0.05	*0.0599*	*26.87*	*0.0387*
0.06	*0.0792*	*35.57*	*0.0512*
0.07	*0.1004*	*45.08*	*0.0649*
0.08	*0.1233*	*55.36*	*0.0797*
0.09	*0.1478*	*66.35*	*0.0955*
0.10	0.1738	78.03	0.1124
0.11	0.2013	90.34	0.1301
0.12	0.2301	103.3	0.1487
0.13	0.2603	116.8	0.1682
0.14	0.2917	130.9	0.1885
0.15	0.3243	145.6	0.2096
0.16	0.3582	160.8	0.2315
0.17	0.3932	176.5	0.2541
0.18	0.4293	192.7	0.2775
0.19	0.4665	209.4	0.3015
0.20	0.5048	226.6	0.3263
0.21	0.5442	244.2	0.3517
0.22	0.5845	262.4	0.3778
0.23	0.6259	280.9	0.4045
0.24	0.6682	299.9	0.4319
0.25	0.7115	319.4	0.4599
0.26	0.7558	339.2	0.4885
0.27	0.8009	359.5	0.5177
0.28	0.8470	380.2	0.5474
0.29	0.8940	401.2	0.5778
0.30	0.9418	422.7	0.6087
0.31	0.9905	444.6	0.6402
0.32	1.040	466.8	0.6722
0.33	1.091	489.5	0.7048
0.34	1.142	512.4	0.7379
0.35	1.194	535.8	0.7716
0.36	1.247	559.5	0.8058
0.37	1.300	583.6	0.8404
0.38	1.355	608.1	0.8756
0.39	1.410	632.8	0.9113
0.40	1.466	658.0	0.9475
0.41	1.523	683.4	0.9842
0.42	1.580	709.2	1.021
0.43	1.638	735.4	1.059
0.44	1.697	761.8	1.097
0.45	1.757	788.6	1.136
0.46	1.817	815.8	1.175
0.47	1.879	843.2	1.214
0.48	1.940	870.9	1.254
0.49	2.003	899.0	1.295
0.50	2.066	927.4	1.335

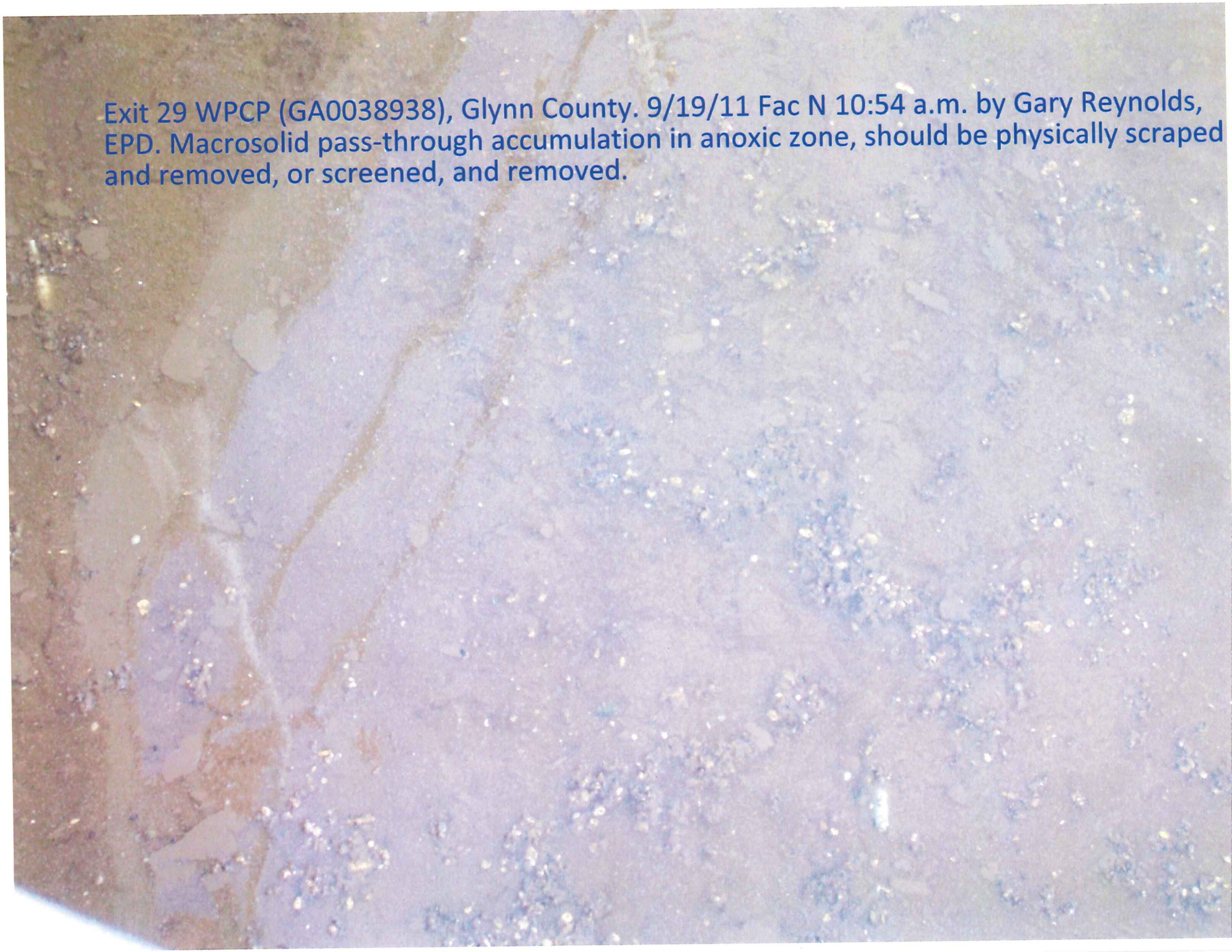
Table 13-7 (Continued)

Head (feet)	CFS	GPM	MGD
0.51	2.130	956.0	1.377
0.52	2.195	985.0	1.418
0.53	2.260	1014	1.461
0.54	2.326	1044	1.503
0.55	2.392	1074	1.546
0.56	2.460	1104	1.590
0.57	2.527	1134	1.634
0.58	2.596	1165	1.678
0.59	2.665	1196	1.723
0.60	2.735	1228	1.768
0.61	2.805	1259	1.813
0.62	2.876	1291	1.859
0.63	2.948	1323	1.905
0.64	3.020	1356	1.952
0.65	3.093	1388	1.999
0.66	3.167	1421	2.047
0.67	3.241	1455	2.095
0.68	3.316	1488	2.143
0.69	3.391	1522	2.192
0.70	3.467	1556	2.241
0.71	3.543	1590	2.290
0.72	3.620	1625	2.340
0.73	3.698	1660	2.390
0.74	3.776	1695	2.441
0.75	3.855	1730	2.491
0.76	3.934	1766	2.543
0.77	4.014	1802	2.594
0.78	4.094	1838	2.646
0.79	4.175	1874	2.699
0.80	4.257	1911	2.751
0.81	4.339	1948	2.805
0.82	4.422	1985	2.858
0.83	4.505	2022	2.912
0.84	4.589	2060	2.966
0.85	4.673	2097	3.020
0.86	4.758	2135	3.075
0.87	4.843	2174	3.130
0.88	4.929	2212	3.186
0.89	5.015	2251	3.242
0.90	5.102	2290	3.298
0.91	5.190	2329	3.354
0.92	5.278	2369	3.411
0.93	5.366	2409	3.468
0.94	5.455	2449	3.526
0.95	5.545	2489	3.584
0.96	5.635	2529	3.642
0.97	5.725	2570	3.701
0.98	5.816	2611	3.759
0.99	5.908	2652	3.819
1.00	6.000	2693	3.878

13

Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac E 10:40 a.m. by Gary Reynolds, EPD. Influent automatic bar screen. Mark Ryals (left) Class I WQ Supt., Alvin Lang, Class I WQ operator.

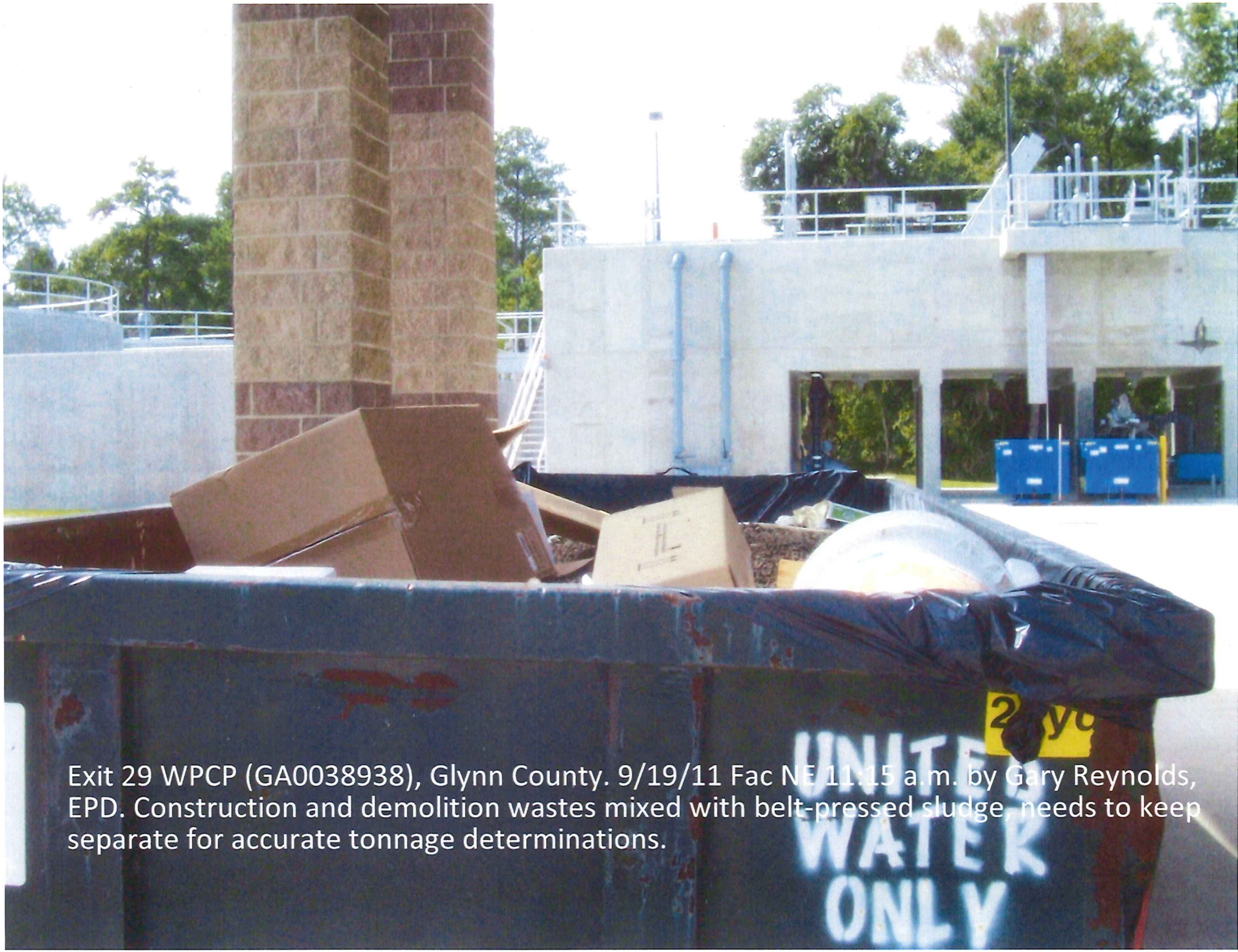

Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac N 10:50 a.m. by Gary Reynolds, EPD. Anoxic zone in oxidation ditch.



Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac N 10:54 a.m. by Gary Reynolds, EPD. Macrosolid pass-through accumulation in anoxic zone, should be physically scraped and removed, or screened, and removed.

Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac N 11:00 a.m. by Gary Reynolds, EPD. Oxidation ditch, highest oxygen levels (8.0 mg/l average, middle section).


Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac W 11:05 a.m. by Gary Reynolds, EPD. Active secondary clarifier of two.



Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac NE 11:15 a.m. by Gary Reynolds, EPD. Construction and demolition wastes mixed with belt-pressed sludge, needs to keep separate for accurate tonnage determinations.


Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac SW 11:25 a.m. by Gary Reynolds, EPD. Wastewater Reuse tank - only for in-Plant clarifier, other component rinsing, not purple pipe reuse off-site.

Exit 29 WPCP (GA0038938), Glynn County. 9/19/11 Fac NW 11:40 a.m. by Gary Reynolds, EPD. Lift Station 114. To the left is new Risley Middle School. Note: emergency connection at top of panel box. Demonstrated: visual, SCADA, audible non-operational.